If an emergency arises requiring immediate termination of IFR operation, tanker operator signals receiver with the emergency termination switch. Red light on pod will emit flashing signal.

If a system failure occurs preventing retraction of the hose, it can be jettisoned by actuation of a switch on the tanker control panel. Operation of the switch relieves the tension on the nose and operates a solenoid to allow the reel to turn beyond the fully extended stop. Movement of the reel beyond the stop will cause a quick disconnect fitting to contact another stop which releases the hose. Flashing red light will operate.

OIL SYSTEM

Synthetic oil in accordance with Spec. MIL-L-7808A or Pratt & Whitney Spec. No. 521A will be used in the XC-132 airplane. A stainless steel oil tank of 18.75 gallons capacity is mounted on the right hand side of the nacelle. 30% expansion space is provided making a total tank volume of 24.5 gallons. A capacitance type quantity gauge is provided in each tank.

Oil is supplied from the tank directly to the engine pump. Scavenged oil from the engine is routed to a conventional air-to-oil heat exchanger and control valve assembly and then returned to the tank.

ENGINE OIL SYSTEM SCHEMATIC